

http://www.mn-arts.org/

Don't forget to sign up on the reflector!! December 2013 Edition

From the President

I hope each of you had a nice Christmas and New Year. I didn't get anything radio related this year, but was good regardless. As we begin another year I thought it would be good to review a little of who we are.

Per our Articles, "The objectives of (the club) shall include, but shall not be limited to, the following:

- To be a technical club focused on advancing the amateur radio art in all its forms;
- 2. Foster research, experimentation, design and building of radio devices, antennas and support equipment;
- 3. Provide continuing technical education in the field of electronic communication including to other amateur radio clubs, schools, and all others interested in amateur radio:
- Dissemination of technical, educational and scientific information relating to electronic communication by providing a forum, via meetings, website and reflector for exchanging ideas:
- 5. Promotion of general interest in Amateur Radio communication;

- Establishment of Amateur Radio networks to provide electronic communications in the event of disasters or other emergencies;
- 7. The furtherance of the public welfare."

I think as you review the above you will agree that we are living out our purpose. We are a group of experimenters, builders, and tinkerers. We have some very talented members including WoUFO, AAOZZ, and K9OSC, who have gained notoriety by publishing articles in QST, QRX, and QRP Quarterly. We have had many share presentations on what they have been actively doing and learning. We also have many members active on all modes and all bands. This is a great group in which to learn about ham radio.

Thank you for your confidence to lead again as president. I know I can't do this alone and I hope each of you continue to contribute in various ways to help the group grow. Please come to our meeting on Jan 4th where Russ, KOWFS, will be discussing satellite communications. Also on Feb 1st we will be holding our annual all-day Builda-thon and FYBO station event. The kits this year will be Mert's, WOUFO,

Directional Wattmeter and/or Voltmeter kits - please contact Mert with any questions or to order. Hope to see you at both meetings.

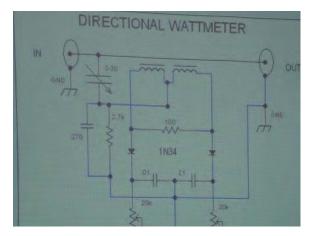
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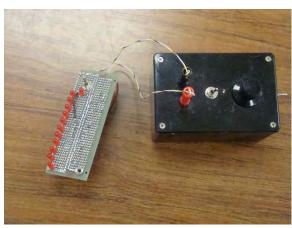
December Meeting Minutes

Old Business:

- October minutes were approved.
- Paul Bushouse, N0TYE, reviewed the club finances. Currently there is \$1170 in the account.
- The group discussed the trip to Paul Bittner's station, W0AIH, in Eau Claire. A good time was had by all who went. Everyone was very appreciative of Paul's hospitality and taking the time to show them around the antenna farm and station.
- Mert Nellis, WOUFO, reviewed the schematic of the voltage monitor and directional wattmeter. He would like a commitment by Dec. 20 from those who would like to build these. Mert gave a demonstration of the prototyped voltage monitor.







New Business:

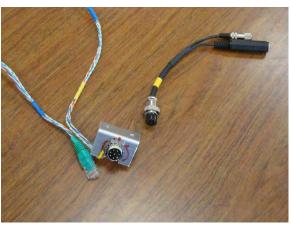
 Chuck Stroud, KA8HDE and Steve Ulrich, NW0C both volunteered to serve another term unless someone else was interested. As no one else came forward the group voted them in for another term.

Business meeting was adjourned.

Show & Tell:

John Krawczak, KJ0P, brought in a software defined cable to use with his Flex 1500 and Yaesu FT950. He described how he modified it and how it would be used.





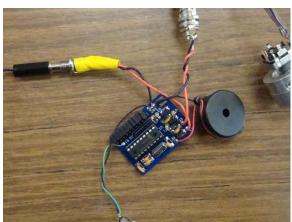
Craig Johnson, AA0ZZ, brought in several items. One was a Miracle Antenna, which is no longer in production. Craig noted that for its size it worked surprisingly well and discussed how it worked. Another item was an SW40 with a freq mite module. He will be modifying the board and the 4 States club will be distributing it when completed. He also brought in a Rock mite and showed us a 123 Battery. Craig described the battery and the difference between it and a standard lithium.



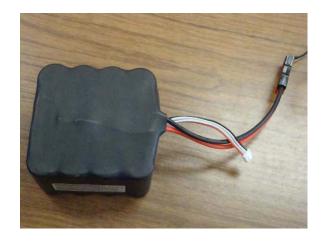












Ralph Richards, KC0TAY, shared an award he recently received at work. Great job Ralph!!



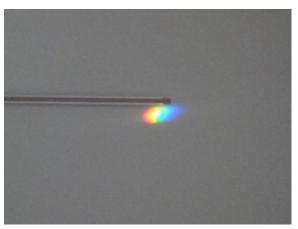
December Presentation

Larry Gaalaas, KB0R, gave us an excellent presentation on HF propagation. He started off with and interesting demonstration of how a prism splits light and then tied this in with an interesting slide show describing the effects of the various atmospheric layers. Larry explained how the D, E & F layers are affected by time of day, solar cycles, etc. His presentation will be posted on the club web site. Thank you Larry!









Respectfully submitted, Steve, NW0C

Club Officers:

President: Chuck Stroud/KA8HDE
Vice Pres: Larry Gaalaas/KB0R
Secretary: Steve Ulrich/NW0C
Treasurer: Paul Bushouse/N0TYE

At Large: Tom Kent

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